PCT

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(21) International Application Number: PCT/US99 (22) International Filing Date: 17 February 1999 (17 (30) Priority Data: 09/025,319 18 February 1998 (18.02.98) (71) Applicant (for all designated States except US): BOR-UCLA RESEARCH AND EDUCATION TUTE [US/US]; 1124 West Carson Street, Torran 90502 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): YEAMAN, Mich [US/US]; Harbor-UCLA Medical Center, 1000 West Street, Torrance, CA 90502 (US). SHEN, Alexan [US/US]; Harbor-UCLA Medical Center, 1000 West Street, Torrance, CA 90502 (US).	HAI INST nce, C	BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of
(74) Agents: PARKHURST, David, G. et al.; Fulwider Pattor Utecht, 10th floor, 10877 Wilshire Boulevard, Los A CA 90024 (US).	Angel	ss,
(54) Title: ANTIMICROBIAL PEPTIDES AND DERIVE	אואו עי	TAPER TIDES
(57) Abstract	_	
Antimicrobial agents comprising peptides are disclose	ed.	

(2) INFORMATION FOR SEQ ID NO: 24:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 12

(B) TYPE: amino acid

5

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(iii) HYPOTHETICAL: no

(v) FRAGMENT TYPE: internal fragment

(ix) FEATURE

10

(A) NAME/KEY: CS-MIP1β

(C) IDENTIFICATION METHOD: By experiment

(D) OTHER INFORMATION: microbicidal activities

 $P_{MIC} = -396.49$; MW = 1741.80; number of charged amino acids: 4

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:

15

Ser Trp Val Gln Glu Tyr Val Tyr Asp Leu Glu Leu

10

(2) INFORMATION FOR SEQ ID NO: 25:

20

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 16

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

25

(iii) HYPOTHETICAL: no

(v) FRAGMENT TYPE: internal fragment

(ix) FEATURE

(A) NAME/KEY: CS-FBPα

(C) IDENTIFICATION METHOD: By experiment

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(D) OTHER INFORMATION: microbicidal activities,

P_{MIC} = -78.53; MW = 1806.90; number of charged amino acids: 5 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:

Ala Asp Ser Gly Glu Gly Asp Phe Leu Ala Glu Gly Gly Gly 10 5 Val Arg (2) INFORMATION FOR SEQ ID NO: 26: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 10 (B) TYPE: amino acid (D) TOPOLOGY: linear (ii) MOLECULE TYPE: peptide (iii) HYPOTHETICAL: no (v) FRAGMENT TYPE: internal fragment 15 (ix) FEATURE (A) NAME/KEY: CS-FBPα-TET (C) IDENTIFICATION METHOD: By experiment (D) OTHER INFORMATION: microbicidal activities, $P_{MIC} = -248.89$; MW = 2361.70; number of charged amino acids: 7 20 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 26: Ala Asp Ser Gly Glu Gly Asp Phe Leu Ala Glu Gly Gly 10 Val Arg Lys Leu Ile Lys 25 (2) INFORMATION FOR SEQ ID NO: 27: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 13

(B) TYPE: amino acid

30